Beverly Shears
7/9/07

L1   STR

```
              13
               O
               ‖
    7 O~~C~~C
         8    9
      2
  1  C    C 3
      ·.·
  6 C.    C 4
      5
      C
   N~~C~~C
  14   15   16
       ‖
       O
       17
```
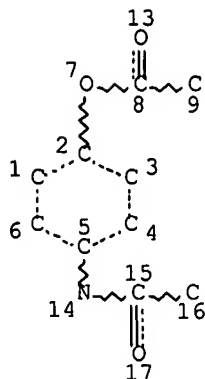
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
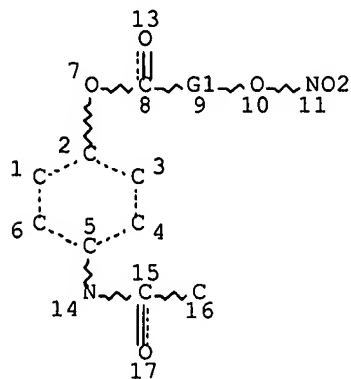RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L2   (1735)SEA FILE=REGISTRY SSS FUL L1
L3   STR

```
              13
               O
               ‖
    7 O~~C~~G1~~O~~NO2
         8    9  10   11
      2
  1  C    C 3
      ·.·
  6 C.    C 4
      5
      C
   N~~C~~C
  14   15   16
       ‖
       O
       17
```

REP G1=(1-20) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
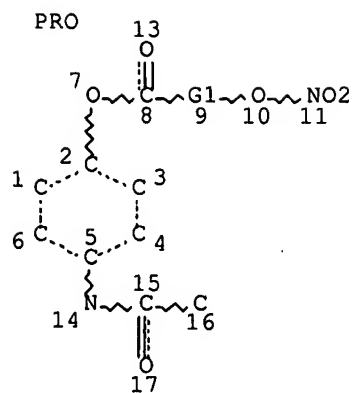
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L4   1 SEA FILE=REGISTRY SUB=L2 SSS FUL L3

L21   STR

26

PRO
13
O
7 O—C—G1—O—NO2
8 9 10 11
2
C
1 C   C 3
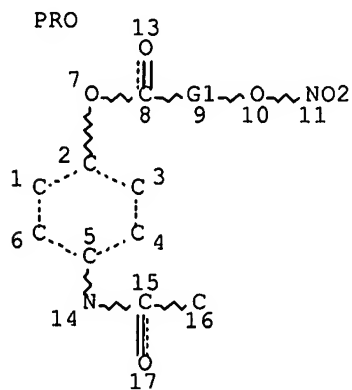6 C 5 C 4
C
N 15
14   C—C 16
O
17

REP G1=(1-20) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L23   2 SEA FILE=CASREACT SSS FUL L21 (7 REACTIONS)

L21   STR

PRO
13
O
7 O—C—G1—O—NO2
8 9 10 11
2
C
1 C   C 3
6 C 5 C 4
C
N 15
14   C—C 16
O
17

REP G1=(1-20) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L24   0 SEA L21

27

```
     (FILE 'REGISTRY' ENTERED AT 17:09:18 ON 06 JUL 2007)
                 ACT CHOJ2/A
                 ---------
L1               STR
L2    (     1735)SEA SSS FUL L1
L3               STR
L4             1 SEA SUB=L2 SSS FUL L3
                 ---------


     FILE 'REGISTRY' ENTERED AT 17:10:15 ON 06 JUL 2007
                 D QUE STAT

     FILE 'CAPLUS' ENTERED AT 17:10:15 ON 06 JUL 2007
L5             5 SEA ABB=ON  PLU=ON  L4/P
                 D 1-5 IBIB ABS HITSTR


     FILE 'CAOLD' ENTERED AT 17:10:28 ON 06 JUL 2007
L6             0 SEA ABB=ON  PLU=ON  L4


     FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 17:10:39 ON 06 JUL 2007
L7            24 SEA ABB=ON  PLU=ON  L4
L8            24 DUP REM L7 (0 DUPLICATES REMOVED)
L9             4 SEA ABB=ON  PLU=ON  L8 AND (PREP? OR PRODUCTION OR
                 PRODUCING OR PRODUCE# OR PROD## OR MANUF?)


     FILE 'REGISTRY' ENTERED AT 17:13:10 ON 06 JUL 2007
                 E DCC/CN 5
L10            2 SEA ABB=ON  PLU=ON  DCC/CN
                 D SCAN
                 E DICYCLOHEXYLCARBODIIMIDE/CN 5
L11            1 SEA ABB=ON  PLU=ON  DICYCLOHEXYLCARBODIIMIDE/CN
                 E AMINOPYRIDINE/CN 5
L12            1 SEA ABB=ON  PLU=ON  AMINOPYRIDINE/CN
                 E "AMBERLYST-15"/CN 5
                 E "AMBERLYST 15"/CN 5
L13            2 SEA ABB=ON  PLU=ON  ("AMBERLYST 15"/CN OR "AMBERLYST 15
                 DRY"/CN OR "AMBERLYST 15 WET"/CN OR "AMBERLYST 15(H)"/CN
                 OR "AMBERLYST 15(H) WET"/CN)
                 E DIETHYL AZODICARBOXYLATE/CN 5
L14            1 SEA ABB=ON  PLU=ON  "DIETHYL AZODICARBOXYLATE"/CN
                 E TRIPHENYLPHOSPHINE/CN 5
L15            1 SEA ABB=ON  PLU=ON  TRIPHENYLPHOSPHINE/CN
L16            7 SEA ABB=ON  PLU=ON  (L10 OR L11 OR L12 OR L13 OR L14 OR
                 L15)


     FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 17:14:46 ON 06 JUL 2007
L17        36150 SEA ABB=ON  PLU=ON  L16 OR DCC OR DICYCLOHEXYL? OR
                 DI(W)(CYCLOHEXYL? OR CYCLO HEXYL?) OR DICYCLO HEXYL? OR
                 AMINOPYRIDINE OR AMINO PYRIDINE OR AMBERLYST OR DIETHYLAZO?
                  OR (DIETHYL OR DI ETHYL)(W) AZO? OR DI ETHYLAZO? OR
                 TRIPHENYLPHOSPHINE OR TRI(W)(PHENYLPHOSPHINE OR (PH OR
                 PHENYL)(W) PHOSPHINE)
L18          112 SEA ABB=ON  PLU=ON  TRIPHENYL PHOSPHINE
L19            0 SEA ABB=ON  PLU=ON  L8 AND (L17 OR L18)
L20            0 SEA ABB=ON  PLU=ON  L8 AND SOLVENT
                 SET REN ON
                 D L9 1-4 IBIB ABS


     FILE 'CASREACT' ENTERED AT 17:18:07 ON 06 JUL 2007
```

```
                D COST
L21             STR L3
L22          0 SEA SSS SAM L21 (      0 REACTIONS)
L23          2 SEA SSS FUL L21 (      7 REACTIONS)
                D QUE STAT
                D 1-2 IBIB ABS FHIT
```

FILE 'DJSMDS, CHEMINFORMRX' ENTERED AT 17:19:08 ON 06 JUL 2007
```
L24          0 SEA ABB=ON   PLU=ON   L21
                D QUE STAT
```

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE, WPIX, JAPIO, PASCAL, DISSABS'
ENTERED AT 17:20:06 ON 06 JUL 2007
```
L25        180 SEA ABB=ON   PLU=ON   "RIVOLTA R"?/AU
L26          8 SEA ABB=ON   PLU=ON   "AURELI R"?/AU
L27          2 SEA ABB=ON   PLU=ON   L25 AND L26
L28          5 SEA ABB=ON   PLU=ON   (L25 OR L26) AND (L17 OR L18 OR
                SOLVENT)
L29         12 SEA ABB=ON   PLU=ON   (L25 OR L26) AND (REACT? OR RXN)
L30         13 SEA ABB=ON   PLU=ON   L27 OR L28 OR L29
L31         11 DUP REM L30 (2 DUPLICATES REMOVED)
                D 1-11 IBIB ABS
```

FILE 'HOME' ENTERED AT 17:22:36 ON 06 JUL 2007
```
                D QUE L4
                D QUE L23
                D QUE L24
```

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 5 JUL 2007   HIGHEST RN 941372-96-9
DICTIONARY FILE UPDATES: 5 JUL 2007   HIGHEST RN 941372-96-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

    Please note that search-term pricing does apply when
    conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

FILE CAPLUS

FILE COVERS 1907 - 6 Jul 2007   VOL 147 ISS 3
FILE LAST UPDATED: 5 Jul 2007   (20070705/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply
They are available for your review at:

http://www.cas.org/infopolicy.html

FILE CAOLD
FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification. Title keywords, authors, patent
   assignees, and patent information, e.g., patent numbers, are
   now searchable from 1907-1966. TIFF images of CA abstracts
   printed between 1907-1966 are available in the PAGE
   display formats.

   New CAS Information Use Policies, enter HELP USAGETERMS for details.

   This file supports REG1stRY for direct browsing and searching of
   all substance data from the REGISTRY file. Enter HELP FIRST for
   more information.

FILE MEDLINE
 FILE LAST UPDATED: 5 Jul 2007 (20070705/UP). FILE COVERS 1950 TO DAT

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

FILE BIOSIS
FILE COVERS 1926 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 4 July 2007 (20070704/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926
through 1968. These records have been re-indexed to match current
BIOSIS indexing.

FILE EMBASE
 FILE COVERS 1974 TO 6 Jul 2007 (20070706/ED)

 EMBASE is now updated daily. SDI frequency remains weekly (default)
 and biweekly.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

FILE CASREACT
Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 30 Jun 2007 VOL 147 ISS 2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
**********************************************
*                                            *
*     CASREACT now has more than 12 million reactions     *
*                                            *
**********************************************
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1 provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substanc identification.

FILE DJSMDS
FILE LAST UPDATED: 28 MAR 2007   <20070328/UP>

>>> DERWENT JOURNAL OF SYNTHETIC METHODS - DERWENT SUBSCRIBER FILE >>>
>>> FILE COVERS 1975 TO 2004 DATA <<<
>>> GRAPHIC IMAGES OF THE PRINTED DERWENT JOURNAL OF SYNTHETIC
    METHODS ARE AVAILABLE FROM 1975 TO 2004 <<<
>>> PLEASE NOTE: IN DJSM HYDROGEN BONDS CANNOT BE DEFINED AS
    REACTION SITES <<<

FILE CHEMINFORMRX
FILE LAST UPDATED: 4 JUN 2007   <20070604/UP>

>>> CAS Registry Numbers are available for
    substances prior to 1995   <<<

FILE WPIX
FILE LAST UPDATED: 3 JUL 2007   <20070703/UP>
MOST RECENT THOMSON SCIENTIFIC UPDATE: 200742   <200742/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> New reloaded DWPI Learn File (LWPI) available as well <<<

>>> YOU ARE IN THE NEW AND ENHANCED DERWENT WORLD PATENTS INDEX <<<

>>> New display format FRAGHITSTR available <<<
    SEE ONLINE NEWS and
http://www.stn-international.de/archive/stn online news/fraghitstr ex.

>>> IPC Reform backfile reclassification has been loaded to 31 May
    2007. No update date (UP) has been created for the reclassified
    documents, but they can be identified by 20060101/UPIC and
    20061231/UPIC and 20060601/UPIC. <<<

FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,
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http://www.stn-international.de/training center/patents/stn guide.pdf

FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
http://scientific.thomson.com/support/patents/coverage/latestupdates/

PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE
http://www.stn-international.de/stndatabases/details/ipc reform.html a
http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf

>>> FOR DETAILS ON THE NEW AND ENHANCED DERWENT WORLD PATENTS INDEX
    PLEASE SEE
http://www.stn-international.de/stndatabases/details/dwpi_r.html <<<

FILE JAPIO
FILE LAST UPDATED: 4 JUL 2007   <20070704/UP>
FILE COVERS APRIL 1973 TO MARCH 29, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

FILE PASCAL
FILE LAST UPDATED: 2 JUL 2007   <20070702/UP>
FILE COVERS 1977 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
    IN THE BASIC INDEX (/BI) FIELD <<<

FILE DISSABS
FILE COVERS 1861 TO 2 JUL 2007 (20070702/ED)

FILE HOME